

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A device usable for forming an alignment layer of a display apparatus, the device comprising:

a substrate adapted to receive an alignment material on an entire surface of the substrate;

a printing part including ~~a printing process to form the alignment layer on a substrate, and including~~—a print table fixing the substrate, and

at least one inkjet head to spray ~~[[an]] the~~ alignment material onto ~~[[an]] the~~ entire surface of the substrate including all pixel regions to form the alignment layer printed on the entire surface of the substrate;

a drying part positioned directly and vertically above the printing part, the drying part including ~~a drying process to dry a solvent of the alignment material onto the substrate using~~

a dry table having a hot plate adapted to dry a solvent of the alignment material onto the substrate, ~~a baking process to bake the dried alignment material onto the substrate, and~~—
—~~a rubbing process;~~ and

a transferring part having a transfer robot lifting the printed substrate to a higher height higher than ~~[[of]] the printing part inkjet head~~ in a vertical direction, for transferring the printed substrate from the printing part to the drying part and placing the printed substrate on the dry table after printing process,

wherein the at least one inkjet head is positioned between the print table and the drying part and is moved over the substrate in a horizontal direction in which the substrate on the print table is maintained in a fixed state, and

wherein at least an array of the inkjet heads is arranged in at least one line according to a long side or a short side of the substrate.

2-3. (Canceled)

4. (Previously Presented) The device of claim 1, wherein a size and an arrangement of the inkjet heads are varied according to a size and a kind of the substrate.

5-6. (Canceled).

7. (Previously Presented) The device of claim 1, wherein the alignment material sprayed from the inkjet head is polyimide PI.

8-10. (Cancelled)

11. (Original) The device of claim 1, wherein the alignment layer is an alignment layer provided in a liquid crystal display device.

12. (Original) The device of claim 1, wherein the printing part, the drying part and the transferring part are provided in a clean room.

13-14. (Canceled)

15. (Withdrawn) A method usable for forming an alignment layer of a display apparatus, the method comprising:

printing, by a printing part, an alignment layer on a substrate;
drying, by a drying part positioned above the printing part, the alignment layer printed on the substrate; and
transferring the substrate.

16. (Withdrawn) The method of claim 15, wherein the printing step includes:
spraying, by at least one inkjet head, an alignment material onto the substrate, the inkjet head being positioned between the printing part and the drying part.

17. (Withdrawn) The method of claim 16, wherein in the printing step, at least one array of inkjet heads is positioned in one line according to a long side or a short side of the substrate to print the alignment layer onto the long or short side of the substrate at one time.

18. (Withdrawn) The method of claim 17, wherein in the printing step, a size and an arrangement of the inkjet heads are varied according to a size and a kind of the substrate.

19. (Withdrawn) The method of claim 16, wherein the printing part includes a print table to receive the substrate, and in the printing step, the inkjet head sprays the alignment material onto the substrate at a fixed state while the print table is moved in a horizontal direction.

20. (Withdrawn) The method of claim 16, wherein the printing part includes a print table to receive the substrate at a fixed state, and in the printing step, the inkjet head is moved over the substrate in a horizontal direction to spray the alignment material onto the substrate.

21. (Withdrawn) The method of claim 16, wherein in the spraying step, the alignment material sprayed from the inkjet head is polyimide PI.

22. (Withdrawn) The method of claim 15, wherein in the printing step, the alignment layer is an alignment layer provided in a liquid crystal display device.

23. (Previously Presented) The device of claim 1, wherein a width of the inkjet head is substantially same as a width of the substrate so as to form an alignment on the entire substrate.

24. (Canceled)

25. (New) A device usable for forming an alignment layer of a display apparatus, the device comprising:

- a substrate adapted to receive the alignment layer on an entire surface of the substrate;

- a printing part including

- a print table fixing the substrate, and

- at least one inkjet head to spray an alignment material onto the entire surface of the substrate including all pixel regions to form the alignment layer on the entire surface of the

substrate;

a drying part positioned directly and vertically above the printing part, the drying part including

a dry table having a hot plate adapted to dry a solvent of the alignment material onto the substrate; and

a transferring part having a transfer robot adapted to lift the printed substrate to a height higher than the inkjet head in a vertical direction and place the printed substrate is placed on the drying table,

wherein the at least one inkjet head is positioned between the print table and the drying part and is moved over the substrate in a horizontal direction in which the substrate on the print table is maintained at a fixed state.